

The model ST-100-FTIR is manufactured by Janis. It can be used in combination with the

Bruker

IFS 66 v/s

on

Beamline 1.4.2

ST-100-FTIR features include:

- Sample in vacuum
- Multiple position sample holder
 Linear manipulator with 2" t
 Sample rotation with scale travel
- Silicon diode temperatureMounting flange to fit sensor
- spectrometer

High efficiency cryogen transf
1.63" diameter clear view win
O-ring sealed windows for easy
Liquid helium or liquid nitroge transfer line window ports

window change

nitrogen cooling

System Specifications	ST-100-FTIR	
Sample Environment	Vacuum	
Temperature Range	~2.5 - 325 K (higher	temperatures optional
Initial Cooldown Time	15 minutes	
Temperature Stability (with	co 50 otle ror less	
Orientation	Any position	
System Weight (less transfer	l'Angenirox. 10 lbs.	
Cryogen Consumption (cooldown	0.4 liters LHe from 325	- 4.2 K
Cryogen Consumption (operation	0.5 L/hr at 5 K w/LHe	

Note: Specifications do not include parasitic or experimental heat loads.

ST-100-FTIR Mechanical Drawing